

Amendments to the Drawings:

The Drawings are to be amended as follows. A replacement set is enclosed.

REMARKS/ARGUMENTS

Applicant thanks Examiner for the detailed Office Action dated September 13, 2007. In response to the issues raised, the Applicant offers the following submissions and amendments.

Amendments

The specification has been amended at pages 11-13 to clarify which of the features described in the figures correspond to the elements defined in the claims.

Figure 1 has been renumbered as Figure 1A and amended to include a reference numeral to indicate the 'unit cell' and the 'chamber walls'. Figure 1B has been added to show the liquid supply passage 32 leading to the hole 31 and into the chamber 7. This is essentially a combination of original Figures 1 and 5. Furthermore, new Figure 1B shows ink 11 in the supply passage 32 and the hole 31.

Accordingly, the amendments do not add any new matter.

35 USC §112 - Claims 1, 5, 7 and 8

Claims 1, 5, 7 and 8 stand rejected for failure to particularly point out and distinctly claim the invention.

We respectfully submit that the ordinary worker reading the claims in the context of the specification would have no difficulty matching the 'hole' defined in claim 1 to 'the hole 31' described in the Detailed Description and shown in the drawings. Similarly, the 'liquid passages' recited in claim 1 are defined as being "formed by a hole extending from the respective chamber, through the drive circuitry and into the monolithic wafer, and a supply passage extending from the liquid supply side partially through the monolithic wafer such that a fluid connection is established with the hole". We submit that these elements are fully enabled by the description associated with Figures 1A and 1B.

The Examiner questions whether the chamber is indicated by reference numeral 31 in Figure 7. However, as explained at page 12, lines 5 and 6, "Figures 2 to 7 show the unit cell with the ink chamber 7 and heater element 10 removed for clarity". The ordinary worker would not have any difficulty understanding that Figures 5-7 show the various 'real world' situations for establishing a connection between hole 31 and the supply passage 32 and that the depth of the supply passage etch and the inherent inaccuracies of the process require the supply passage to be wider than the hole.

Accordingly, we submit that all the elements of amended claim 1 are fully enabled by the detailed description and accompanying figures. It follows from the above that dependant claims 2, 3, 4, 5, 7 and 8 are likewise enabled.

Conclusion

It is respectfully submitted that the Examiner's rejection has been successfully traversed and the application is now in condition for allowance. Accordingly, favorable reconsideration is courteously solicited.

Very respectfully,

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